Attorney Docket No. IMMR-059/00US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Allen R. Boronkay et al.

Serial No.:

09/894,985

Examiner:

Amy HE

Confirmation No.:

[x]

3804

Art Unit:

2858

Filed:

June 27, 2001

For:

POSITION SENSOR WITH RESISTIVE ELEMENT

U.S. Patent and Trademark Office 220 20th Street S. Customer Window, **Mail Stop RCE** Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

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	the IDS is required.				
[]	In accordance with 37 C.F.R. §1.97(c), also enclosed is:				
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	[] a statement as specified in 37 C.F.R. §1.97(e).				
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By:

Dated: __June 24, 2004

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209063 v1/RE 4HBB01!.DOC Respectfully submitted,

COQLEY GODWARD LLP

Philip W. Marsh Reg. No. 46,061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §\$1.97 and 1.98.

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	[]	within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);			
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	[]	before the mailing date of a first office action on the merits; or			
	[x] before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.				
It is re	espectfu	lly requested that the Examiner consider the above-noted			
information a	and retur	n an initialed copy of the attached Form PTO/SB/08A to the			
undersigned.					
Dated:Ju	ne 24, 20	Respectfully submitted, COOLEY GODWARD LLP			
Cooley Gody					
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PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

Application Number 09/894,985

Filing Date June 27, 2001

First Named Inventor Allen R. Boronkay

Art Unit 2858

Examiner Name Amy He

(use as many sheets as necessary)

eet 1 of 3 Attorney Docket Number IMMR059/00US

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	U.S. PATENT DOCUMENTS						
		Document Number					
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		6,422,941	7/23/2002	Thorner et al.			
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	[2.972.140	2/14/1961	Hirsch			

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or	Pages, Columns, Lines,		
		Country Code ³	Number⁴	Kind	Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
		JP	H2-185278			7/19/1990	Taito Corporation	
		JP	H4-8381			1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147			1/27/1995	Sega Corporation	
		JP	H5-192449			8/3/1993	Taito Corporation	,

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Substitute for form 1449A/PTO Complete if Known 09/894,985 **Application Number** INFORMATION DISCLOSURE Filing Date June 27, 2001 STATEMENT BY APPLICANT Allen R. Boronkay **First Named Inventor** Art Unit 2858 (use as many sheets as necessary) Examiner Name Amy He IMMR059/00US Attorney Docket Number

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<u> </u>		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
xaminer Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.	
		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," Bachelor of Science Thesis, MIT, May 1983, archived June 23, 1983.	
		WIKER, "Teletouch Display Development: Phase 1 Report," <i>Technical Report 1230</i> , Naval Ocean Systems Center, San Diego, July 1988.	
		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.	
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		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> , Raleigh, NC, July 7-10, 1992	

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 First Named Inventor
 Allen R. Boronkay

 Art Unit
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 Examiner Name
 Amy He

 Attorney Docket Number
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of

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Examiner Initials * O.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

NOLL, "Man-Machine Tactile," SID Journal, July/August 1972 Issue.

ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994.

ZILLES, "A Constraint-Based God-Object Method for Haptic Display," Department of Mechanical Engineering, Artificial Intelligence Laboratory, Massachusetts Institute of Technology, undated.

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